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Adrian-Horia Dediu · Enrico Formenti
Carlos Martín-Vide · Bianca Truthe
(Eds.)

Language and Automata Theory and Applications

9th International Conference, LATA 2015
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Proceedings

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Preface

These proceedings contain the papers that were presented at the 9th International Conference on Language and Automata Theory and Applications (LATA 2015), held in Nice, France, during March 2–6, 2015.

The scope of LATA is rather broad, including: algebraic language theory; algorithms for semi-structured data mining; algorithms on automata and words; automata and logic; automata for system analysis and program verification; automata networks; automata, concurrency, and Petri nets; automatic structures; cellular automata; codes; combinatorics on words; computational complexity; data and image compression; descriptive complexity; digital libraries and document engineering; foundations of finite state technology; foundations of XML; fuzzy and rough languages; grammars (Chomsky hierarchy, contextual, unification, categorial, etc.); grammatical inference and algorithmic learning; graphs and graph transformation; language varieties and semigroups; language-based cryptography; parallel and regulated rewriting; parsing; patterns; power series; string and combinatorial issues in bioinformatics; string processing algorithms; symbolic dynamics; term rewriting; transducers; trees, tree languages, and tree automata; unconventional models of computation; weighted automata.

LATA 2015 received 115 submissions. Most of the papers were given at least three reviews by Program Committee members or by external referees. After a thorough and vivid discussion phase, the committee decided to accept 53 papers (which represents an acceptance rate of 46.09%). The conference program also included five invited talks. Part of the success in the management of such a large number of submissions was due to the excellent facilities provided by the EasyChair conference management system.

We would like to thank all invited speakers and authors for their contributions, the Program Committee and the reviewers for their cooperation, and Springer for its very professional publishing work.

December 2014

Adrian-Horia Dediu
Enrico Formenti
Carlos Martín-Vide
Bianca Truthe

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